



User's Manual

MV100 Series
Wireless Broadband USB Modem



INTRODUCTION

Thank you for purchasing the Z040 Wireless Broadband USB Modem.

This user manual will help you setup, configure and outline best practices for maximizing your wireless home network performance with the Modem.

The Z040 USB Modems leverage CDMA2000 1xEV-DO Rev A networks to allow users to maintain productivity with secure, high speed access to email, the Internet, data intensive files and multi-media streaming. SMS messaging enable users to stay connected to colleagues, customers and family.

A universal USB port allows for quick and easy connectivity to a desktop or laptop PC providing broadband data access from the home or office. Backward compatibility ensures services in CDMA2000 1xEV-DO Rev 0 and CDMA2000 1X coverage areas, while internal antennas maximize coverage range and data throughput.

To guarantee your modem always in its best condition, please read this manual carefully and keep it for future use.

The pictures in this user manual are only used to demonstrate the modem's functions, so they are maybe different from what you see on your modem. Please refer to your modem if there are any differences.



SAFETY PRECAUTIONS

1. Avoid placing the phone in a dusty location, or near a source of gas or fire.
2. Don't Shake, hit or drop the modem.
3. To clean the outside of the modem, use only a soft, dry cloth. The chemicals in alcohol, benzene or acetone can damage the surface of the modem.
4. Do not twist or pull the Mini USB Cable.
5. Do not disassemble the modem.
6. Do NOT use the power adaptor if:
 - The power cord is damaged.
 - The phone has been dropped or damaged in any way.
7. Frequency and length of use can affect the life of the self-charging battery. Contact your customer service if the battery is not operating properly.
8. Use only the designated self-charging battery. Dispose of exhausted batteries properly. Never discard a battery in or near fire or flame.
9. Do not place the modem near water, for example, near a bathtub, sink, wet basement, or swimming pool.

NOTE 1: The input and output voltages are indicated on the adapter.
(Input: AC 100~240V, 50~60 Hz, Output: DC 5V, 2A)

CHECKING THE PARTS

Once you have unpacked your phone, make sure that you have all the parts shown below. If any piece is missing or broken, please call your customer service.

1. Main Unit
2. Li-Ion Battery
3. USB Data Cable
4. Power Adaptor
5. User Manual
6. Ear-mic



GETTING STARTED

Before you can begin using the Modem, you must:

- Install the Modem and ZappManager application.
- Activate an account and configure the Modem to use your account (unless the Modem has been pre-activated).

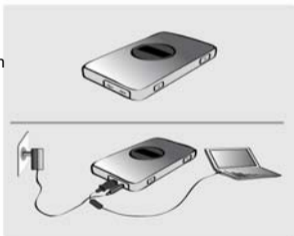
CONNECTING YOUR MODEM TO THE PC

Installing the modem

This modem operates by receiving DC power from the Z040 power adaptor that connects to an electrical outlet. The modem is equipped with a rechargeable battery as a back up in case of an AC power failure.

Modem installation

Plug the smaller end of the adaptor into the modem as shown and plug the other end into your laptop's or PC's USB port.



INSTALLING THE MODEM SOFTWARE

System Requirements

The system requirements for using this software are summarized below:

(1) Recommended Specifications

CPU: Pentium III 550Mhz or higher, IBM PC-Compatible

RAM: 256MB or more

VGA: Video card with 1024 I 768 resolution and 65536 or more colors

HDD: 200MB or more hard disk space

Others: CD-ROM Drive or DVD Drive

OS: Microsoft Windows 2000 or higher (**Compatible with Vista version**)

(2) Minimum Specifications

CPU: Pentium II 300Mhz or higher, IBM PC-Compatible

RAM: 128MB or more

VGA: Video card with 1024 I 768 resolution and 65536 or more colors

HDD: 100MB or more hard disk space

Others: CD-ROM Drive or DVD Drive

OS: Microsoft Windows 2000 or higher

Installing the USB Driver and ZappManager

The entire process will take approximately 5 minutes to complete.



Press and hold down the ON/OFF button while inserting the USB cable to the PC port. The above window will appear, the modem driver and ZappManager application will be installed. The system will automatically detect and recognize the new hardware and display the new icon in the desktop status bar, indicating that the computer and the USB Modem have been connected properly. Once finished the installation, ZappManager SW will be launched automatically, and the following icon will appear on your desktop.



ZappManager.exe

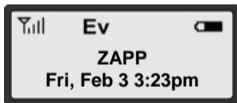
QUICK STATUS CHECK

The Modem LCD provides a quick check of its status (services, signal strength, battery level) without the need to start ZappManager application.

Service Status Check

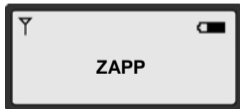
Display in the Service Area

When the power cord is connected properly, all segments of the LCD window will turn on briefly. The number of bars of signal strength indicator (antenna icon) indicates the strength of service signal of the area. The display will show the greeting with date and time.



Display in area with no service

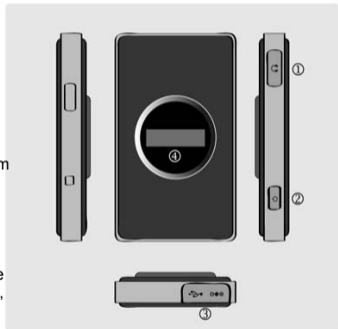
When there is no service signal detected in your area, no antenna bar appears. Contact your service provider for the coverage area information. Also check if the antenna is connected



GETTING TO KNOW YOUR MODEM





1. Modem Interfaces

- 1. Audio jack:** Standard audio jack for audio headset. Insert ear-mic to make and receive voice calls.
- 2. Power button:** Press to turn on / off the modem and hang up the call. To turn the modem ON, press and quickly release this button. To turn it OFF, press and hold the button 3 seconds then release it. The modem will turn off after 1 sec.
- 3. Accessory Connector Part:** Insert battery charger and Mini-B USB Cable.
- 4. Main Display Window:** Shows Status of the Modem. Also, if the Modem is in a voice call, Caller ID and other call-related messages appear here.



2. ZappManager SW

ZappManager is a SW utility that allows the administration of your Modem. You use ZappManager to:

-  Initiate data calls
-  Manage Personal Information such as Contact list and phonebook (not available in Zapp network)
-  Receive and send SMS messages
-  Customize features and options

1. **Change Mode Button:** Change to Manager Mode from Data Connection Mode.

2. **Option Button:** Change options of Modem such as SMS setting, phone settings etc.

3. **Connection Button:** Connect via your operator's network

4. **Utility Managers:** PIMS, SMS and CALL Manager. Only available after you press the Change Mode button. The image color will change to signal that you can now access the utilities.



DISPLAY ICONS

Icons display on the screen to indicate what features you are using, e.g. signal strength, battery status and etc...



Indicate the strength of the signal. More bars indicate stronger signal.



Indicate the level of battery power. The more bars, the more power. When the battery is low, the icon blinks, and an alert tone sounds.



Indicates that you are using CDMA 200 1X Network.



Indicates that you are using 1x EV-DO Network.



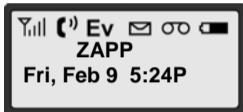
Indicates that a voice or data call is in progress



Indicates that you have waiting text messages



Indicates that you have voice mail message






ZappManager Operation Guide





1. Getting Started


When the PC and modem are connected via the USB cable, ZappManager allows you to browse internet, modify modem configurations. In addition, you can perform management tasks for phone numbers such as adding, modifying and deleting them, and you can write messages in your PC and send them to your modem.


ZappManager provides the following 5 action-buttons that lead to corresponding menus:

-  Internet Connection: Internet Connection button allows you to connect to the internet through your service provider.

-  PIMS Manager: **(not available in Zapp network)** you can manage phonebook in your PC. Outlook contacts data can be imported or exported.

-  SMS Manager: You can download the Inbox, Outbox, and Draft Box messages in your phone to your PC and edit them, or upload newly created messages to your modem and send them to others.

-  CALL Manager: **(not available in Zapp network)** You can make/receive a phone call. Call history can be managed.

-  Options: You can manage modem settings

1.1. Basic User Interface

1. Connect/Disconnect Button: Used to Connect/Disconnect PC and Phone.






2. Manager Menu: Manager Menu allows you to conveniently move to each Manager by one click. The icon of each Manager is displayed, and when you click each Manager icon, the Sub Menu is displayed in the tree structure

Name	Image Button
Call Manager (not available in Zapp network)	
PIMS Manager (not available in Zapp network)	
SMS Manager	

3.Menu Bar: The basic menu of ZappManager is provided. The Menu Bar provides the following main and sub menus:

Name	Sub Menu	Function
File	Open	Open a file in the PC for each Manager.
File	Save	Save a file in the PC in the format supported by each Manager.
File	Exit	Exit the ZappManager program.
Tool	To PC	Send data from Phone to PC when PC and Phone are connected.
Tool	To Phone	Send data from PC to Phone when PC and Phone are connected.
Help	About ZappManager	The ZappManager program information is displayed.
Help	Help	The User's Guide for ZappManager is displayed.

4. Toolbar: The frequently used menu items of the Menu Bar are provided as icons. Toolbar provides the following functions.

Name	Image Button	Function
Open		Opens a file in the PC for each Manager.
Save		Saves a file in the PC in the format supported by each Manager.
To PC		Send data from Phone to PC when PC and Phone are connected.
To Phone		Send data saved in PC to Phone when PC and Phone are connected.
Help		The User's Guide for ZappManager is displayed.

1.2. Connecting/Disconnecting Your Modem to/From the PC

Connecting

1. First, connect your PC with the modem using the supplied cable. Insert the cable firmly to the modem until it clicks into place.





1. When you will connect the modem, the ZappManager application should start automatically. Otherwise, click the icon on your desktop to run the ZappManager Program.




ZappManager.exe

2. Click the Connect/Disconnect button. Note that a connection profile needs to be defined and selected before using the Connect/Disconnect button. Please refer to the section "Add Connect Item" below for more information.



Disconnecting

1. Click the Connect/Disconnect button  after finishing your job. The connection is discontinued and the active Connect/Disconnect button is changed to the disabled status. All icons will be disabled.
2. To exit the program after finishing the job, click the button at top right of the program window.
3. Disconnect the cable from PC and modem.

2. Internet Connect

Internet Connection System allows the PC to connect to the internet through network provider with Z040 Modem.

1. Internet Connection Connect / Disconnect


1.1. Connect

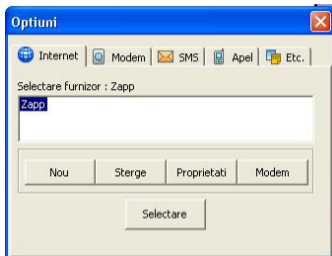
Once the initial setup is complete, you can use your modem. To make a communication connection using the modem, click the 'E' button on the main screen.

1.2. Disconnect

To disconnect from the communication connection, just click the 'E' button on the main screen.

2. Internet Connection Setup

Click the Options  button on the main screen of the program to open the following dialog, where you can specify values for many items needed to set up your modem. The following screen will appear.



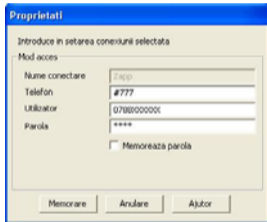
A short, functional description for each button on the Setup dialog is provided below.

Button	Description
New	Allows you to add a new 'Connect Item'.
Delete	Allows you to delete an existing 'Connect Item.'
Properties	Allows you to modify existing 'Connect Item' settings.
Modem	Allows you to view and select from a list of modems currently available for connection.

2.1. Add Connect Item

When you click on the “New” button, the following window appears to ask for connection parameters

- (1) Connect Name: Enter the name to be displayed on the 'Connect Item' list.
- (2) Phone: Specify the phone number to which modem will connect.
- (3) User Name: If required, enter the user ID for the network provider.
- (4) Password: Enter the password for the user name. Select the 'Remember password' checkbox if you want to save the password.

A screenshot of a Windows-style dialog box titled "Proprietati" (Properties) with a blue header bar. The main area has a light beige background and contains the text "Introduce in setarea conexiunii selectata" (Enter in the connection settings selected). Below this is a section titled "Mod acces" (Access mode) with four input fields: "Nume conectare" (Connection name) containing "Zapp", "Telefon" (Phone) containing "#777", "Utilizator" (User) containing "0708000000", and "Parola" (Password) containing "****". There is also an unchecked checkbox labeled "Memoreaza parola" (Remember password). At the bottom of the dialog are three buttons: "Memorare" (Save), "Anulare" (Cancel), and "Ajutor" (Help).

2.2. Delete Connect Item

Select the 'Connect Item' you want to delete from the 'Connect Item' list in the Setup dialog, and click Delete. The selected 'Connect Item' will be deleted.

2.3. Modify Connect Item

Select the 'Connect Item' you want to modify from the 'Connect Item' list in the Setup dialog, and click Properties. The following dialog appears, allowing you to modify the settings. See 'Add Connect Item' for detailed descriptions about the settings.

2.4. View Modem List

Click Modem in the Setup dialog to open the following Windows default modem settings dialog, where you can change the modem.

3. SMS Manager

SMS Manager is composed of Inbox for keeping received messages, Outbox for saving messages that have been sent out, Draft Box for saving messages that have not yet been sent and Saved Box for keeping important messages in the Inbox. You can directly send out messages from your PC to your phone, or download it from phone to PC for more convenient management.



3.1. Inbox Manager

To use Inbox Manager, click the Inbox icon

With Inbox Manager, you can reply to, forward, or delete selected messages.





1. Inbox List View

- (1) By default, Inbox List View shows all Inbox messages saved in the phone.
- (2) The details of the Inbox message selected from Inbox List View is displayed in the Preview window at bottom.
- (3) You can delete the messages displayed in Inbox List View. (You cannot add.)

2. Preview Window & Reply/Forward (Send)

- (1) The details of the Inbox message selected from Inbox List View is displayed in the Preview window at bottom.
- (2) When you click the Reply button in the Preview window, a new window pops up for you to edit the message and send it to the sender.
- (3) When you click the Forward button in the Preview window, a new window pops up for you to edit the message and send it to the another person.
- (4) You can send a message to multiple persons.
- (5) Type the phone number in the recipients' list.

3. Delete Inbox Data

Select the data to delete and press the Delete key on the keyboard.

To delete multiple data simultaneously, select them with your mouse while pressing down the Shift or Ctrl key and then press the Delete key. The selected Inbox data is deleted at once from the phone. The deleted Inbox data cannot be restored.

4. To PC

The Inbox List View is updated with the Inbox messages currently saved in the phone.



5. To Saved Box

Select the data to protect, and press the Save button. The data will be saved in the Saved box.

3.2. Saved box Manager

To use Saved Box Manager, click the Saved Box icon.

With Saved Box Manager, you can reply to, forward, or delete selected messages.

1. Saved Box List View

- (1) By default, Saved Box List View shows all Saved Box messages saved in the modem.
- (2) The details of the Saved Box message selected from Saved Box List View is displayed in the Preview window at bottom.
- (3) You can delete the messages displayed in Saved Box List View. (You cannot add.)

2. Preview Window & Reply/Forward (Send)

- (1) The details of the Saved Box message selected from Saved Box List View is displayed in the Preview window at bottom.
- (2) When you click the Reply button in the Preview window, a new window pops up for you to edit the message and send it to the sender.
- (3) When you click the Forward button in the Preview window, a new window pops up for you to edit the message and send it to the another person.
- (4) You can send a message to multiple persons.
- (5) Type the phone number in the recipients' list.

3. Delete Saved Box Data

Select the data to delete and press the Delete key on the keyboard. To delete multiple data



simultaneously, select them with your mouse while pressing down the Shift or Ctrl key and then press the Delete key.

The selected Saved Box data is deleted at once from the modem.

The deleted Saved Box data cannot be restored.

[4. To PC](#)

The Saved Box List View is updated with the Saved Box messages currently saved in the modem.

3.3. Outbox Manager

To use Outbox Manager, click the Outbox icon With Outbox Manager, you can forward, modify, or delete selected messages in Outbox.

[1. Outbox List View](#)

- (1) By default, Outbox List View shows all Outbox messages saved in the modem.
- (2) The details of the Outbox message selected from Outbox List View is displayed in the Preview window at bottom.
- (3) You can delete the data displayed in Outbox List View

[2. Preview Window & Forward \(Send\)](#)

- (1) The details of the Outbox message selected from Outbox List View is displayed in the Preview window at bottom.
- (2) To write a new message, click the Send button in the Preview window. A new window pops up in which you can write a new message and send it to others.



- (3) When you click the Forward button in the Preview window, a new window pops up for you to edit the message and send it to the another person.
- (4) You can send a message to multiple persons.
- (5) Type the phone number in the recipients' list.

3. Delete Outbox Data

Select the data to delete and press the Delete key on the keyboard. To delete multiple data simultaneously, select them with your mouse while pressing down the Shift or Ctrl key and then press the Delete key. The selected Outbox data is deleted at once from the modem. The deleted Outbox data cannot be restored.

4. To PC

The Outbox List View is updated with the Outbox messages currently saved in the modem.

3.4. Draft Box Manager

To use Draft Box Manager, click the Draft Box icon.

With Draft Box Manager, you can forward, or delete selected messages in Draft Box.

1. Draft Box List View

- (1) By default, Draft Box List View shows all Draft Box messages saved in the modem.
- (2) The details of the Draft Box message selected from Draft Box List View is displayed in the Preview window at bottom.
- (3) You can delete the data displayed in Draft Box List View.

2. Preview Window & Forward (Send)



- (1) The details of the Draft Box message selected from Draft Box List View is displayed in the Preview window at bottom.
- (2) To write a new message, click the “New” button in the Preview window, or double click an empty field in the Draft Box List. A new window pops up in which you can write a new message and send it to others.
- (3) When you click the Forward button in the Preview window, a new window pops up for you to edit the message and send it to the another person.
- (4) You can send a message to multiple persons.
- (5) Type the phone number in the recipients' list.

3. Delete Draft Box Data

Select the data to delete and press the Delete key on the keyboard. To delete multiple data simultaneously, select them with your mouse while pressing down the Shift or Ctrl key and then press the Delete key. The selected Draft Box data is deleted at once from the modem. The deleted Draft Box data cannot be restored.

4. To PC

The Draft Box List View is updated with the Draft Box messages currently saved in the modem.

3.5. Send

To send a new message, press Send button the Preview window. A new window will pop up. There are 4 buttons in the Send window.



1. Send

Send the message directly to the recipients through the modem.

2. Send & Save

Send the message directly to the recipients through the modem. The message is also saved in the Outbox in the modem

3. Save

This button does not send the message. Message is saved in the Draftbox for later use.



Miscellaneous Specifications

SPECIFICATIONS

Frequency Range	MV110	Rx: 462 ~ 468 MHz Tx: 452 ~ 458 MHz
	MV140	Rx: 869 ~ 894 MHz Tx: 824 ~ 849 MHz
		Rx: 1930 ~ 1989 MHz Tx: 1850 ~ 1909 MHz
Channel Bandwidth		CDMA 1.25 MHz
Stability of frequency		0.4 ppm
External appearance (mm)		97 x 57 x 19.5 mm
Weight		150 g (with battery)
Sending output		maximum 0.23W E.R.P
Temperature of operation		-20 ~ +50 degrees Celsius
Relative humidity		5% ~ 90%
Adapter		Input: AC 100~240V 50~60Hz Output: DC 5V/2A
Battery		760mAh, Li-ion

SAR max: **0.997 W/Kg**

SAR max value accepted in Romania by MCTI rules: 2 W/kg

AXT_v3.1



Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

INTERFERENCE TO MEDICAL DEVICES

Certain electronic equipment may be shielded against RF signal from your wireless phone. (pacemakers, Hearing Aids, and so on) Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. RF signals may affect improperly installed or inadequately shielded electronic system in motor vehicles.

EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna. Do not touch the antenna unnecessarily when the phone is in use. Do not move the antenna close to, or touching any exposed part of the body when making a call.



DECLARATION OF CONFORMITY

No: 1625

We, S.C. TELEMobil S.A., having the Headquarters in Bucharest, 11-15 Tipografilor Street, LB B3 and B4, 5th Floor, District 1, Romania, with Registration number at the Registry of Commerce 1596697, we assure, guarantee and declare at our own risk, in conformity with the 5th article from the Government Resolution nr 1.022 / 2002 regarding the guidance of products and services which could risk life, health or labor security and environment protection, that the product

Modem USB CDMA 450, **MV110/Z040 model**, made in Korea by Axesstel Inc.

to which this Declaration refers to, will not put in danger life, health or labor security, also will not have a negative impact on the environment and it is in conformity with the following:

- EN 60950-1:2001 – SAFETY
- EN 50360:2001, EN 50360:2001 - SAR
- EN 301 489-1 V1.6.1 (2005-09) ETSI EN 301 489-25 V2.3.2 (2005-07) – EMC, Standard
- EN 301 526V1.1.1 (2006-07) – RF (With RSE) Standard
- Directive 1999/05/EC (R&TTE)
- Declaration of Conformity of the producer
- Government Resolution 608/2001, republished - Government Resolution 1.022/2002 - Government Resolution 88/2003, republished - Government Resolution 982/2007
- The phone is CE 0700 marked

Bucharest
September 03rd, 2008

TELEMobil S.A.

Dragoş Florescu
Project Manager

A handwritten signature in black ink, appearing to read "Dragoş Florescu".

